

**Lane County, Department of Public Works.**  
**Product Considerations for Permitted Products List, Per 15.510 sec (4) a-e / Incorp. sec. (5) a-e**

**Chemical Properties**

|                     |                    |                           |                          |
|---------------------|--------------------|---------------------------|--------------------------|
| <b>Product Name</b> | <b>MILESTONE</b>   | <b>Active Ingredients</b> | AMINOPYRALID 40.6%       |
| <b>Known Inerts</b> | Total Inerts 59.4% | <b>Other Additives</b>    | Can be mixed or combined |

**Human Toxicity Considerations.**

|  |   |
|--|---|
| 4(a)i : Substances classified as known , likely , or probable carcinogen by the US EPA   | <b>EPA Classification: "Not Likely to be Carcinogenic to Humans"</b>    |
| 4(a)ii : Substances classified as a known, likely, or probable carcinogen by IARC  | <b>Class 4: "Probably Not Carcinogenic to Humans"</b>                   |
| 4(a)iii : Substances listed by the state of California (Prop 65 list) or the National Toxicology program as know, likely, or probable human carcinogens.           | <b>No Cal Prop 65: known, likely or probable human carcinogens.</b>     |
| 4(b) : Product contains no reproductive toxicants (CA Prop 65 list).   | <b>No Cal Prop 65 listed reproductive toxicants.</b>                    |
| 4(c) : Product contains no ingredients listed by Illinois EPA as known or probable endocrine disruptors.   | <b>Contains no ingredients listed as possible Endocrine Disruptors.</b> |
| 4(d) : Product is not acutely toxic to humans: product is not labeled as DANGER or POISON (Toxicity Class I or II ).   | <b>Toxicity Class IV: EPA signal word "Caution"</b>                     |
| 4(e) : Product contains no nervous system toxicants (ingredients that are cholinesterase inhibitors and/or listed as nuerotoxic by the Toxics Release Inventory ). | <b>No listed nervous system toxicants or Cholinesterase inhibitors</b>  |

**Additional Considerations. Red = did not satisfy criteria**

|  |   |
|--|---|
| 5(a) : Active ingredient has soil half-life of 30 days or less ( <i>exception for minerals</i> )   | <b>Soil Half-Life: Approx 34.5 Days.</b>                                |
| 5(b) : Active ingredient has extremely low or very low mobility in soils   | <b>Some potential (Koc 10.8 L/Kg)</b>                                   |
| 5(c) : Product is not found in US EPA of pesticide programs Registration Eligibility Decisions ( RED's, IRED's, and TRED's ) to exceed a level of concern for fish, Aquatic insects, aquatic and semi-aquatic plants, or wildlife. | <b>Product is not found in EPA decision for RED's, IRED's or TRED's</b> |
| 5(d) : Active ingredients have not been detected in salmon waters at a level harmful to aquatic life   | <b>No information detected</b>  |
| 5(e) : Product is not labeled as toxic to fish, birds, bees, wildlife, or domestic animals.  | <b>EPA Classification: "Practically non-toxic"</b>                      |

**Product Comments & Information**

Milestone herbicide is a new liquid formulation herbicide designed and developed specifically to control noxious and invasive broadleaf species and other problem weeds. Milestone contains 2 pounds of active ingredient per gallon. Labeled weeds can be controlled at rates from 4 to 7 fluid ounces per acre. Milestone controls many weeds at rates substantially lower than currently registered herbicides.

| <b>Intended Use of Herbicides</b>   | <b>Zone</b> | <b>Zone</b> | <b>Zone</b> | <b>Zone</b> |
|---|-------------|-------------|-------------|-------------|
| 1. <b>Weed / Non-Preferred vegetation:</b> Noxious weeds, invasive species, persistent vegetation, non-herbicide resistant species. | <b>A</b>    | <b>B</b>    | <b>C</b>    | <b>O</b>    |
| 2. <b>Public Safety:</b> Road visibility, guardrails, road signs, public health, road condition, road shoulder.                     | <b>A</b>    | <b>B</b>    | <b>C</b>    | <b>O</b>    |
| 3. <b>Woody Plant Material:</b> Foliar, cut stump, encroachment, hazard, mechanical resilience.                                     | <b>A</b>    | <b>B</b>    | <b>C</b>    | <b>O</b>    |
| 4. <b>Road Structure:</b> Drainage, road stability, erosion, integrity.   | <b>A</b>    | <b>B</b>    | <b>C</b>    | <b>O</b>    |
| 5. <b>CIP:</b> maintenance, pre-emergent, restoration.  | <b>A</b>    | <b>B</b>    | <b>C</b>    | <b>O</b>    |

**Zone Descriptions:** *planned use area is shaded/ colored*  
**Zone A:** Road edge to foreslope of ditch **Zone B:** Drainage ditch **Zone C:** Backslope to ROW egde **Zone O** - Other areas

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**Documented Vegetation Control / Eradication with Milestone Herbicide**

| Annual, Perennial Species   | Grass, Sedge, Rush Species | Woody Brush and Trees |
|-----------------------------|----------------------------|-----------------------|
| <i>Common, Burdock</i>      |                            |                       |
| <i>Chicory</i>              |                            |                       |
| <i>Daisy, Oxeye</i>         |                            |                       |
| <i>Dock, Curly</i>          |                            |                       |
| <i>Fireweed</i>             |                            |                       |
| <i>Hawkweed, Orange</i>     |                            |                       |
| <i>Knapweed, Diffuse</i>    |                            |                       |
| <i>Knapweed, Russian</i>    |                            |                       |
| <i>Knapweed, Spotted</i>    |                            |                       |
| <i>Knapweed, Meadow</i>     |                            |                       |
| <i>Ragwort, Tansy</i>       |                            |                       |
| <i>Starthistle, Yellow</i>  |                            |                       |
| <i>Thistle, Bull</i>        |                            |                       |
| <i>Thistle, Canada</i>      |                            |                       |
| <i>Thistle, Musk</i>        |                            |                       |
| <i>Bindweed, Nightshade</i> |                            |                       |

*Partial list of plant species negatively effected by this herbicide.*

**Manufacturer Information & Contact Information**

|                             |  |                             |                |
|-----------------------------|--|-----------------------------|----------------|
| Manufacturer                | Dow Agrosciences                                     | EPA Reg. No.                | 62719-519      |
| Product Information Contact | <a href="http://www.dowagro.com">www.dowagro.com</a> | Emergency Contact           | 1-800-992-5994 |
| CAS # A.                    | 000122-20-3  | pH                          | 7.33 @ 19.8C   |
| CAS # I.                    | N/A  | Appearance                  | Brown-Liquid   |
| CAS # I.                    | N/A  | Associated inert CAS # Name | N/A            |
| CAS # I.                    | N/A  | Associated inert CAS # Name | N/A            |
| CAS # I.                    | N/A  | Associated inert CAS # Name | N/A            |